TYPE SPECIMENS OF FROG AND REPTILE SPECIES, QUEENSLAND MUSEUM: RECENT ADDITIONS AND NEW INFORMATION

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Since publication of the last list of frog and reptile type specimens in 1981, types of 25 species of frogs and 78 species of reptiles have been deposited in the Queensland Museum reference collections. In addition, new data are to hand on types of two species of frogs and 14 species of reptiles listed in previous Queensland Museum type lists. □ *Type specimens, frogs, reptiles, Queensland, Australia* .

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The tradition of listing type specimens in the frog and reptile reference collections of the Queensland Museum began over forty years ago (Mack & Gunn, 1953; Covacevich, 1971; Ingram & Covacevich, 1981). Since the last list went to press in June, 1980, there have been many additions to the type collections; a 'lost' holotype has been found; some problems identified in previous lists have been solved; the currently recognised names of several have changed; and there are also some corrections of transcription and other errors.

In recent years, several texts of Australia's frog and reptile species have been published (e.g. Cogger, 1992). From these, it is tempting to see Queensland's species as well known at least to the first level of description and documentation of distribution. However, the rate of discovery and description of new species has been so rapid, that each of these texts has been incomplete at publication. For example, the review of Cogger (1992) is the most recent, and is extremely comprehensive. Yet it does not include one species of frog and 21 species of reptiles described from Queensland since its publication. Between June, 1980 and January, 1995, 22 species of frogs and 72 species of reptiles have been described from Queensland. Almost all are currently recognised.

This list is presented in two parts. In the first, the names are arranged alphabetically by genus and species, in standard phylogenetic order. For each, we provide author/s, date, current status (if there is any variation), registration number, and any necessary explanatory comments. In the second, we document all changes which have been made with names or taxa listed in previous Queensland Museum type lists, in the same order and format.

The following abbreviations have been used: - Australian Museum (AM); Queensland Museum (QM) and Queensland National Parks and Wildlife Service (QNPWS - now Queensland Department of Environment and Heritage).

FROG AND REPTILE TYPE SPECIMENS DEPOSITED IN THE QUEENSLAND MUSEUM SINCE JUNE 1980

Class AMPHIBIA
Family HYLIDAE

Cyclorana manya
Van Beurden & McDonald, 1980

Holotype QMJ34886; paratypes QMJ34887-88, QMJ36894-900. Data as for type description. Erroneously, QMJ34889 was listed in the type description instead of QMJ34887. The number QMJ34889 is for a specimen of *Uperoleia lithomoda*.

Litoria electrica
Ingram & Corben, 1990

Holotype QMJ38963; paratypes QMJ27240-43, QMJ38964, QMJ38973-74, QMJ38976-77, QMJ49227-28. Data as for type description.

Litoria pallida
Davies, Martin & Watson, 1983

Paratypes QMJ39256-58, QMJ41013-19. Data as for type description.

Litoria revelata
Ingram, Corben & Hosmer, 1982

Holotype QMJ28233; paratypes QMJ10896, QMJ12853, QMJ13156, QMJ19867-69, QMJ19872-73, QMJ19887, QMJ19889-90, QMJ19892-94, QMJ19898, QMJ19900, QMJ19909-12, QMJ19915, QMJ19918, QMJ28232, QMJ30116-35, QMJ30137-

59, QMJ31465, QMJ31467-68, QMJ31971, QMJ35087, QMJ35105-06, QMJ35115-16, QMJ35539, QMJ35543. Data as for type description.

Litoria xanthomera
Davies, McDonald & Adams, 1986

Holotype QMJ42011; paratypes QMJ17109-10, QMJ25194-95, QMJ25258-60, QMJ25278, QMJ27105-06, QMJ35900-03, QMJ35910, QMJ35916, QMJ35919, QMJ35921, QMJ35943-44, QMJ35946, QMJ35950, QMJ35960, QMJ35962-63, QMJ35985-86, QMJ36011, QMJ36020, QMJ36024. Data as for type description.

Nyctimystes oktediensis
Richards & Johnston, 1993

Holotype QMJ56896; paratypes QMJ56897-98. Data as for type description.

Family MICROHYLIDAE

Asterophrys leucopus
Richards, Johnston & Burton, 1994

Holotype QMJ58650. Data as for type description.

Cophixalus bombiens
Zweifel, 1985

Holotype QMJ42060; paratype QMJ42063. Data as for type description.

Cophixalus crepitans
Zweifel, 1985

Holotype QMJ28817; paratypes QMJ41643-53. Data as for type description.

Cophixalus hosmeri
Zweifel, 1985

Holotype QMJ42058; paratypes QMJ37281-83, QMJ56467-91. Data as for type description.

Cophixalus infacetus
Zweifel, 1985

Holotype QMJ42059; paratypes QMJ29728-29, QMJ41639-41. Data as for type description.

Cophixalus mcdonaldi
Zweifel, 1985

Holotype QMJ42064; paratypes QMJ42040-57. Data as for type description.

Cophixalus monticola
Richards, Dennis, Trenerry & Werren, 1994

Holotype QMJ58727; paratypes QMJ58728-33, QMJ58854-57, QMJ58871-74. Data as for type description.

Cophixalus peninsularis
Zweifel, 1985

Holotype QMJ42061; paratype QMJ42062. Data as for type description.

Cophixalus tuberculus
Richards, 1992

Paratype QMJ55246. Data as for type description.

Family MYOBATRACHIDAE

Mixophyes fleayi
Corben & Ingram, 1987

Holotype QMJ26901; paratypes QMJ5198, QMJ26469-70, QMJ27859, QMJ29930-31, QMJ30545-48, QMJ32059, QMJ34101-03, QMJ34243-44, QMJ35461-65. Data as for type description.

Pseudophryne covacevichae
Ingram & Corben, 1994

Holotype QMJ52286; paratypes QMJ53870, QMJ53920-32. Data as for type description.

Pseudophryne raveni
Ingram & Corben, 1994

Holotype QMJ58433; paratypes QMJ1505-06, QMJ2955, QMJ12304, QMJ12310, QMJ12385, QMJ12867, QMJ18699-700, QMJ18702, QMJ18704-05, QMJ18707-13, QMJ18716-23, QMJ18725-26, QMJ18729, QMJ19824, QMJ23855-56, QMJ23952, QMJ27399-402, QMJ27449, QMJ27451, QMJ27453, QMJ27483, QMJ27949, QMJ29259, QMJ29263, QMJ29277-79, QMJ29990-91, QMJ30085, QMJ30878, QMJ30882, QMJ31881, QMJ31886-89, QMJ32209, QMJ34160-61, QMJ35108, QMJ35801-06, QMJ36902, QMJ37032-33, QMJ37470, QMJ37543, QMJ39268, QMJ40141-49, QMJ40176, QMJ40214-15, QMJ40258, QMJ40442-46, QMJ40517-19, QMJ41959, QMJ42158-59, QMJ42186, QMJ42220, QMJ42643-69, QMJ42671, QMJ42677, QMJ42691, QMJ42749, QMJ42751-53, QMJ42757, QMJ42760-64, QMJ43850-51, QMJ49439, QMJ50630, QMJ50632, QMJ50637-42, QMJ50644-56, QMJ52285, QMJ54402-05, QMJ55019, QMJ55021, QMJ55194, QMJ56789, QMJ57286, QMJ58434. Data as for type description.

Rheobatrachus vitellinus
Mahony, Tyler & Davies, 1984

Holotype QMJ42529; paratype QMJ42145. Data as for type description.

Taudactylus pleione
Czechura, 1986

Holotype QMJ42392; paratypes QMJ42137, QMJ42388-91, QMJ42422-23. Data as for type description.

Uperoleia altissima
Davies, Watson, McDonald, Trenerry & Werren, 1993

Holotype QMJ55301; paratypes QMJ19851-52, QMJ19855-587, QMJ51780-84. Data as for type description.

Uperoleia capitulata
Davies, McDonald & Corben, 1986

Holotype QMJ26428; paratypes QMJ26416, QMJ26427, QMJ39196, QMJ45956-60. Data as for type description.

Uperoleia fusca
Davies, McDonald & Corben, 1986

Paratypes QMJ10900-02, QMJ12294, QMJ12309, QMJ12323, QMJ12721, QMJ18817, QMJ18822, QMJ18825, QMJ18832, QMJ18837, QMJ19925, QMJ19927, QMJ19930, QMJ19936, QMJ19938-39, QMJ19941-43, QMJ19947, QMJ19952-53, QMJ19956-59, QMJ19961, QMJ19965-66, QMJ24088, QMJ27475, QMJ27477, QMJ27481, QMJ27563, QMJ27905, QMJ29280, QMJ30606, QMJ31556-62, QMJ31582, QMJ39315, QMJ40020, QMJ40315, QMJ40431, QMJ40433-35, QMJ40484, QMJ40486-87, QMJ40489-90, QMJ41533, QMJ42563-76, QMJ42578-614, QMJ45961-65. Data as for type description.

Uperoleia littlejohni
Davies, McDonald & Corben, 1986

Holotype QMJ45949; paratypes QMJ29874, QMJ38877-80, QMJ38883, QMJ38915, QMJ43154-55, QMJ45950-54. Data as for type description. After providing a list of paratypes (p. 175), the authors list cleared and stained paratypes separately (p. 178). Here they fail to mention QMJ45952 and QMJ45954, both cleared and stained specimens already listed on p. 175. Further, QMJ35427 is erroneously listed as a cleared and stained paratype. This number is for a specimen of *Ctenotus robustus*.

Uperoleia mimula
Davies, McDonald & Corben, 1986

Holotype QMJ45943; paratypes QMJ19859, QMJ38271-72, QMJ40234-35, QMJ40247, QMJ42534-35, QMJ42537, QMJ45944-48. Data as for type description.

Class REPTILIA
Family CHELIDAE

Elusor macrurus
Cann & Legler, 1994

Holotype QMJ51275; paratypes QMJ51274, QMJ51468-70, QMJ54138-40. Data as for type description.

Rheodytes leukops
Legler & Cann, 1980

Holotype QMJ31701; paratypes QMJ31702-7. Data as for type description.

Family GEKKONIDAE

Bavayia septuiclavis
Sadlier, 1988

Paratypes QMJ43985, QMJ44034. Data as for type description.
Erroneously, QMJ44985 was listed in the type description instead of QMJ43985. The number QMJ44985 is for a specimen of *Morelia spilota*.

Bavayia validiclavis
Sadlier, 1988

Paratype QMJ43980. Data as for type description.

Nephrurus amyae
Couper (in Couper & Gregson, 1994)

Paratypes QMJ51650, QMJ53650. Data as for type description.

Nephrurus sheai
Couper (in Couper & Gregson, 1994)

Paratypes QMJ52872, QMJ57515. Data as for type description.

Phylurus isis
Couper, Covacevich & Moritz, 1993

Holotype QMJ53511; paratypes QMJ53480, QMJ53485-86, QMJ53512, QMJ53518, QMJ53591, QMJ53602-3. Data as for type description.

Phyllurus nepthys
Couper, Covacevich & Moritz, 1993

Holotype QMJ34058; paratypes QMJ32634-35, QMJ32669, QMJ32674-76, QMJ32695-96, QMJ32733, QMJ32740, QMJ34024-25, QMJ34076-79, QMJ35128, QMJ50992-93, QMJ51098-101, QMJ53330-32, QMJ53359-62. Specimen QMJ25411 is also a paratype of *Phyllurus caudiannulatus* Covacevich, 1975. Data as for type description.

Phyllurus ossa
Couper, Covacevich & Moritz, 1993

Holotype QMJ53444; paratypes QMJ53389-93, QMJ53414, QMJ53426-28, QMJ53443, QMJ53445-47, QMJ53507, QMJ56311, QMJ56766-75, QMJ56791-92. Data as for type description.

Saltuarius occultus
Couper, Covacevich & Moritz, 1993

Holotype QMJ37040; paratypes QMJ37037-39. Data as for type description.

Family PYGOPODIDAE

Delma labialis
Shea, 1987

Holotype QMJ45563; paratype QMJ30265. Data as for type description.

Delma mitella
Shea, 1987

Holotype QMJ32597. Data as for type description.

Family AGAMIDAE

Pogona brevis
Witten, 1994

Holotype QMJ32292; paratypes QMJ38735, QMJ38760-1, QMJ46949. Data as for type description.

Family SCINCIDAE

Anomalopus brevicollis
Greer & Cogger, 1985

Holotype QMJ42616; paratypes QMJ4561, QMJ33863, QMJ33870, QMJ34056, QMJ38740, QMJ41997-98, QMJ42454, QMJ46272. Data as for type description.

Anomalopus gowi
Greer & Cogger, 1985

Holotype QMJ42615; paratypes QMJ27617, QMJ31050. Data as for type description.

Anomalopus mackayi
Greer & Cogger, 1985

Paratypes QMJ8516, QMJ42433, QMJ42531. Data as for type description.

Anomalopus swansoni
Greer & Cogger, 1985

Paratype QMJ44236. Data as for type description.

Calyptotis lepidorostrum
Greer, 1983

Holotype QMJ33612; paratypes QMJ22067, QMJ22274, QMJ22472-73, QMJ23810, QMJ24133, QMJ24373, QMJ25397, QMJ29093, QMJ30229, QMJ30231, QMJ30236, QMJ31575, QMJ32653-55, QMJ32671, QMJ32673, QMJ32707-16, QMJ32721-22, QMJ32734-38, QMJ33610, QMJ33613-15, QMJ33737, QMJ33752, QMJ35309, QMJ35878-82, QMJ50545-48. Data as for type description.

Calyptotis ruficauda
Greer, 1983

Paratype QMJ26024. Data as for type description.

Calyptotis temporalis
Greer, 1983

Holotype QMJ32594; paratypes QMJ13718, QMJ25742-43, QMJ34089, QMJ35088. Data as for type description.

Calyptotis thorntonensis
Greer, 1983

Holotype QMJ28354. Data as for type description.

Carlia parrhasius
Couper, Covacevich & Lethbridge, 1994

Holotype QMJ57868; paratypes QMJ57867, QMJ57869. Data as for type description.

Carlia pectoralis inconnexa
Ingram & Covacevich, 1989

Paratypes QMJ25060, QMJ42496. Data as for type description.

Carlia rubrigularis
Ingram & Covacevich, 1989

Holotype QMJ29956; paratypes QMJ17826, QMJ17901, QMJ17906-07, QMJ22668, QMJ24649, QMJ24800, QMJ24807-08, QMJ25141, QMJ25143, QMJ25146, QMJ25198-200, QMJ25209, QMJ25211-12, QMJ25240, QMJ25242, QMJ25245-50, QMJ25272, QMJ25293-94, QMJ25296-97, QMJ50335. Specimen QMJ25229 was listed as a paratype (Ingram & Covacevich, 1989). This specimen has now been re-registered as QMJ50335. The number QMJ25229 had been assigned also to a paratype of *Lampropholis basiliscus*. Data as for type description.

Carlia storri
Ingram & Covacevich, 1989

Holotype QMJ24656; paratypes QMJ17804, QMJ17895-96, QMJ17908, QMJ24639-40, QMJ24653-55, QMJ24657-58, QMJ24676, QMJ24683-85, QMJ24691, QMJ25312, QMJ25429, QMJ25600, QMJ26222, QMJ26256, QMJ26269. Data as for type description.

Ctenotus allotropis
Storr, 1981

Paratypes QMJ31847-8, QMJ34770. Data as for type description.

Ctenotus aphrodite
Ingram & Czechura, 1990

Holotype QMJ41814. Data as for type description.

Ctenotus arcanus
Czechura & Wombey, 1982

Holotype QMJ36925; paratypes QMJ437-38, QMJ440-42, QMJ1682, QMJ11030, QMJ12111-12, QMJ30266, QMJ30722-23, QMJ31863, QMJ34588, QMJ38695. Data as for type description.

Ctenotus astarte
Czechura, 1986

Holotype QMJ26499; Paratypes QMJ39580, QMJ40182-83, QMJ41603, QMJ41796. Data as for type description

Ctenotus capricorni
Storr, 1981

Holotype QMJ39470. Data as for type description. This specimen is listed in the type description as AM R65946.

Ctenotus essingtonii brevipes
Storr, 1981

Holotype QMJ39469. Data as for type description.

Ctenotus eurydice
Czechura & Wombey, 1982

Paratypes QMJ1618, QMJ15614, QMJ27526, QMJ39223. Data as for type description.

Ctenotus eutaenius
Storr, 1981

Holotype QMJ39467. Data as for type description. This specimen is listed as AM R93408 in type description.

Ctenotus hypatia
Ingram & Czechura, 1990

Holotype QMJ42092. Data as for type description.

Ctenotus ingrami
Czechura & Wombey, 1982

Holotype QMJ34792; Paratype QMJ34791. Data as for type description.

Ctenotus monticola
Storr, 1981

Holotype QMJ39468. Data as for type description. This specimen is listed in the type description as AMR70937.

Ctenotus nullum
Ingram & Czechura, 1990

Holotype QMJ32424; paratypes QMJ24647, QMJ24705, QMJ37999-38001, QMJ41023-25, QMJ42736, QMJ42768-69. Data as for type description.

Ctenotus serotinus
Czechura, 1986

Holotype QMJ43313; paratype QMJ40185. Data as for type description.

Ctenotus terrareginae
Ingram & Czechura, 1990

Holotype QMJ41996. Data as for type description.

Ctenotus zebrilla
Storr, 1981

Holotype QMJ39471. Data as for type description. This specimen is listed in the type description as AMR63316.

Emoia atrocostata australis
Brown, 1991

Paratype QMJ24732. Data as for type description.

Eulamprus frerei
Greer, 1992

Holotype QMJ47985; paratype QMJ39531. Data as for type description.

Eulamprus sokosoma
Greer, 1992

Holotype QMJ27702; paratypes QMJ15668, QMJ25915, QMJ27622-23, QMJ33843, QMJ34209, QMJ42506, QMJ42513, QMJ42516-17, QMJ42526, QMJ55403, QMJ55404. Data as for type description. Specimens QMJ55403 and QMJ55404 are listed in the type description as QNPWSN1787 and QNPWSN36821 respectively.

Lampropholis adonis
Ingram, 1991

Holotype QMJ35097; paratypes QMJ23805-08, QMJ23867, QMJ27725, QMJ27732, QMJ27820, QMJ27822, QMJ27825, QMJ27833, QMJ32644, QMJ32652, QMJ32701, QMJ32706 QMJ32754, QMJ32793, QMJ32795, QMJ33604, QMJ33607, QMJ33609, QMJ33701, QMJ33717-18, QMJ33720-24, QMJ33736, QMJ35104, QMJ35122, QMJ35198, QMJ45297-98, QMJ46191, QMJ49563, QMJ49573, QMJ49591, QMJ49597, QMJ49746-48, QMJ49750-51, QMJ49753, QMJ51319, QMJ51323. Data as for type description.

Lampropholis amicula
Ingram & Rawlinson, 1981

Holotype QMJ24333; paratypes QMJ22729, QMJ24330-2, QMJ24496-7, QMJ27523, QMJ30828, QMJ31308, QMJ32090, QMJ32519, QMJ37177-78, QMJ37288-89. Data as for type description. Erroneously, QMJ34330-31 were listed in the type description instead of QMJ24330-31. Numbers QMJ34330-31 are for specimens of *Lechriodus fletcheri*. One of the paratypes, QMJ37287 has been transferred to the Australian Museum's herpetological collection, with the registration number AMR96587.

Lampropholis basiliscus
Ingram & Rawlinson, 1981
= *Saproscincus basiliscus* after Greer (1989).

Holotype QMJ34409; paratypes QMJ11161, QMJ12145-47, QMJ12158-59, QMJ17435, QMJ17902-03, QMJ24648, QMJ24848, QMJ24918, QMJ25022-27, QMJ25029-45, QMJ25047-59, QMJ25061, QMJ25137-38, QMJ25204, QMJ25229, QMJ25257, QMJ25265, QMJ25289, QMJ25301, QMJ25308, QMJ25450, QMJ25825-75, QMJ26330-32, QMJ26375-76, QMJ27135, QMJ27141, QMJ27258, QMJ29668, QMJ30810-11, QMJ32354, QMJ32602, QMJ32605, QMJ32758, QMJ32760, QMJ32766-71, QMJ32780-83, QMJ32794, QMJ34000-06, QMJ34036, QMJ34038-40, QMJ34042, QMJ34047, QMJ34062, QMJ34066, QMJ34069, QMJ34092-93, QMJ34095-100, QMJ34408. Data as for type description. Sadlier et al. (1993) treated *S. basiliscus* as a junior synonym of *S. spectabilis*. Following discussion of the type status of *Mocoa spectabilis*, Ingram (1994) showed that *S. spectabilis* was a senior synonym of *S. galli* and not of *S. basiliscus* as proposed by Sadlier et al. (1993).

Lampropholis caligula
Ingram & Rawlinson, 1981

Paratype QMJ38704. Data as for type description.

Lampropholis coggeri
Ingram, 1991

Holotype QMJ27133; paratypes QMJ12205, QMJ14009, QMJ14022, QMJ14092, QMJ18006, QMJ21408, QMJ25139, QMJ25201-03, QMJ25217, QMJ25230, QMJ25241, QMJ25243-44, QMJ25251-55, QMJ25271, QMJ25285, QMJ25299, QMJ25300, QMJ25330, QMJ26301, QMJ27008-11, QMJ27130-32, QMJ27134, QMJ29622, QMJ39858, QMJ39864, QMJ39872, QMJ40536, QMJ40663, QMJ41733, QMJ42276-77, QMJ42294, QMJ48170, QMJ48172, QMJ48210. Data as for type description.

Lampropholis colossus
Ingram, 1991

Holotype QMJ49687; paratypes QMJ27549, QMJ27550, QMJ30655, QMJ30656, QMJ30657, QMJ30659-60, QMJ46095-97, QMJ49689, QMJ49692. Data as for type description.

Lampropholis couperi
Ingram, 1991

Holotype QMJ49575; paratypes QMJ25741, QMJ25745, QMJ27723, QMJ30293, QMJ30827, QMJ33605, QMJ34162, QMJ40153-57, QMJ42156, QMJ42426, QMJ43956, QMJ47950-51, QMJ49660, QMJ49669, QMJ49752, QMJ51663. Data as for type description.

Lampropholis czechurai
Ingram & Rawlinson, 1981
= *Saproscincus czechurai* after Greer (1989).

Holotype QMJ34402; paratypes QMJ12148-50, QMJ25227, QMJ27072-73, QMJ31201, QMJ31204-06, QMJ34403, QMJ34405-07. Data as for type description.

Lampropholis mirabilis
Ingram & Rawlinson, 1981

Holotype QMJ24439; paratypes QMJ4404, QMJ24339-40, QMJ24416, QMJ24424, QMJ24435, QMJ24437-38, QMJ24440-41, QMJ24528, QMJ27615, QMJ32555. Data as for type description.

Lampropholis robertsi
Ingram, 1991

Holotype QMJ43911; paratypes QMJ31194-200, QMJ39490-91, QMJ39855-57, QMJ40033, QMJ40036-39, QMJ40041, QMJ40609-10, QMJ41706-08, QMJ43912, QMJ43918, QMJ43958, QMJ43964, QMJ46193, QMJ47097, QMJ47956, QMJ47959, QMJ48295, QMJ49648, QMJ49659, QMJ51405-06, QMJ51948. Data as for type description.

Leiolopisma jigurru
Covacevich, 1984
= *Bartleia jigurru* after Hutchinson et al., (1990).

Holotype QMJ40040, paratypes QMJ39492-99. Data as for type description.

Leiolopisma zia
Ingram & Ehmann, 1981
= *Cautula zia* after Hutchinson et al.,(1990).

Holotype QMJ30563; paratypes QMJ26025, QMJ27787-88, QMJ27793, QMJ27855-58, QMJ30213, QMJ30555-62. Data as for type description.

Lerista aericeps aericeps
Storr, 1986

Paratypes QMJ26502, QMJ34137, QMJ39572. Data as for type description.

Lerista cinerea
Greer, McDonald & Lawrie, 1983

Holotype QMJ40097; paratypes QMJ40094-96, QMJ40098-100. Data as for type description.

Lerista colliveri
Couper & Ingram, 1992

Holotype QMJ16181; paratypes QMJ16182-83, QMJ33123-28, QMJ45648, QMJ46266-67. Data as for type description.

Lerista emmotti
Ingram, Couper & Donnellan, 1993

Holotype QMJ53959; paratypes QMJ9038, QMJ50066, QMJ50068-69, QMJ51217-18, QMJ51529, QMJ51629-30, QMJ52585-87, QMJ53958, QMJ53960, QMJ54144-46, QMJ54292, QMJ54491-93. Data as for type description.

Lerista ingrami
Storr, 1991

Holotype QMJ32396; paratypes QMJ20644-51, QMJ20653. Data as for type description.

Lerista storri
Greer, McDonald & Lawrie, 1983

Holotype QMJ39480; paratype QMJ39481. Data as for type description.

Lerista vittata
Greer, McDonald & Lawrie, 1983

Holotype QMJ40102; paratypes QMJ40101, QMJ40103-04. Data as for type description.

Lerista zonulata
Storr, 1991

Holotype QMJ54137; paratypes QMJ31223, QMJ38756, QMJ46268, QMJ47103. Data as for type description. The holotype is listed in the type description as AMR63747.

Lygisaurus rococo
Ingram & Covacevich, 1988

Holotype QMJ46014; paratype QMJ42068. Data as for type description.

Lygisaurus sesbrauna
Ingram & Covacevich, 1988

Holotype QMJ24664; paratypes QMJ24620, QMJ24630-32, QMJ25599, QMJ25602, QMJ25615, QMJ25990, QMJ25993, QMJ26204-06, QMJ26236, QMJ26259, QMJ28057, QMJ32512, QMJ32516, QMJ34461-63, QMJ34465, QMJ34578, QMJ37508, QMJ37510, QMJ37513-20, QMJ37522-26, QMJ37530-31, QMJ38092, QMJ38299, QMJ42113. Data as for type description.

Lygisaurus tanneri
Ingram & Covacevich, 1988

Holotype QMJ32352; paratypes QMJ20609-11, QMJ22380, QMJ22789, QMJ24117-18, QMJ27093-96, QMJ32358-59, QMJ32362-64, QMJ42771-72. Data as for type description.

Lygisaurus zuma
Couper, 1993

Holotype QMJ55760; paratypes QMJ53397, QMJ55761-67, QMJ56278-80, QMJ56765, QMJ56786, QMJ56874-76, QMJ56883. Data as for type description.

Menetia koshlandae
Greer, 1991

Holotype QMJ50554; paratype QMJ45800. Data as for type description.

Menetia sadlieri
Greer, 1991

Holotype QMJ24448. Data as for type description. This specimen is also a paratype of *Menetia timlowi* Ingram, 1977.

Nangura spinosa
Covacevich, Couper & James, 1993

Holotype QMJ55424; paratypes QMJ56029, QMJ56031, QMJ57246-47. Data as for type description.

Ophioscincus cooloolensis
Greer & Cogger, 1985

Holotype QMJ31573; paratypes QMJ27381-85, QMJ31574, QMJ31578, QMJ40092, QMJ40223-26. Data as for type description.

Sphenomorphus cracens
Greer, 1985
= *Glaphyromorphus cracens* after Greer (1989).

Holotype QMJ42714; paratypes QMJ1535-36, QMJ31022, QMJ31029-31, QMJ31043-49, QMJ42070-74, QMJ46261-65. Data as for type description.

Family VARANIDAE

Odatria keithhornei
Wells & Wellington, 1985
= *Varanus keithhornei* - new synonymy

Holotype QMJ31566. Data as for type description. This specimen is also the holotype of *Varanus teriae* Sprackland, 1991.

Varanus telenesetes
Sprackland, 1991

Holotype QMJ1190. Data as for type description.

Varanus teriae
Sprackland, 1991
= *Varanus keithhornei* (Wells & Wellington, 1985).

Holotype QMJ31566; paratypes QMJ35450-51. Data as for type description. This specimen is also the holotype of *Odatria keithhornei* Wells & Wellington, 1985.

Family TYPHLOPIDAE

Ramphotyphlops chamodracaena
Ingram & Covacevich, 1993

Holotype QMJ40233; paratypes QMJ28082, QMJ31963, QMJ39673, QMJ41550, QMJ51980. Data as for type description.

Ramphotyphlops silvia
Ingram & Covacevich, 1993

Holotype QMJ27387; paratypes QMJ8521, QMJ23620, QMJ27386, QMJ31576-77, QMJ31579, QMJ35872, QMJ43785, QMJ46128. Data as for type description.

Family BOIDAE

Liasis stimsoni orientalis
Smith, 1985
= *Antaresia stimsoni orientalis* after Kluge (1993).

Paratypes QMJ390, QMJ5963, QMJ7154, QMJ10256-58, QMJ10274, QMJ10444, QMJ28432, QMJ29032, QMJ32284-85, QMJ35685, QMJ39087. Data as for type description.

NEW INFORMATION ON SPECIES INCLUDED IN PREVIOUS QUEENSLAND MUSEUM TYPE LISTS

Class AMPHIBIA
Family MYOBATRACHIDAE

Mixophyes balbus
Straughan, 1968

Thirteen specimens of this species are listed as in the Australian and the Queensland Museums (Straughan, 1968). Covacevich (1971) noted that the Straughan collection held in the Queensland Museum contained '*M. balbus* - 10 unsexed specimens, unregistered, found with tadpoles in jar labelled New England sp. nov. *M. balbus*, but with no other data.' Cogger (1979) listed six *M. balbus* paratypes in the Australian Museum. Assuming they are paratypes, there should be only seven paratypes in the Queensland Museum. Corben & Ingram (1987) examined the ten specimens referred to by Covacevich (1971) and noted 'these specimens are now registered as QMJ45785-45794. We have examined them and found that three (QMJ45785-7) are *M. fasciolatus* and the other seven (QMJ45788-94) are *M. balbus*.' These seven specimens are probably the missing seven paratypes, and are labelled so in the collection.

Mixophyes iteratus
Straughan, 1968

Two paratypes were apparently lodged in the Queensland Museum from Tweed River, Mount Warning, NSW (Straughan, 1968). Covacevich (1971) noted the Straughan collection in the Queensland Museum contained '*M. iteratus* - 2 unsexed specimens, QMJ18851, Lynch's Creek, Kyogle, N.S.W.; 1 unregistered specimen without data.' Corben & Ingram (1987) noted 'QMJ18851 from Lynch's Creek, Kyogle' did not agree with the given locality of 'Tweed River, Mount Warning. The other specimen (now registered as QMJ45796) had no accompanying data.' The status of these two specimens thus remains uncertain.

Class REPTILIA
Family GEKKONIDAE

Gehyra catenata
Low, 1979

Ingram & Covacevich (1981) erroneously listed QMJ28794 as a paratype. This number is for a specimen of *Gehyra dubia*.

Oedura cincta
de Vis, 1888
= *Oedura marmorata* Gray, 1842 after Cogger (1957).

Specimen QMJ226 was listed by Covacevich (1971) as a '? syntype'. Wells & Wellington (1985) have designated this specimen as the lectotype.

Phyllurus caudiannulatus
Covacevich, 1975

Paratype QMJ25411. This specimen is also a paratype of *P. nepthys* Couper, Covacevich & Moritz, 1993.

Family SCINCIDAE

Ablepharus boutonii clarus
Storr, 1961
= *Cryptoblepharus virgatus* Garman, 1901 after Cogger et al. (1983).

Paratypes QMJ30920-21. The type description alludes to 'cotypes' and 'paratypes', without registration numbers. Close to thirty years after his description, Storr identified these specimens as paratypes (Storr, in litt., 23 March 1990).

Heteropus bicarinatus
Macleay, 1877
= *Carlia bicarinata* after Ingram & Covacevich (1989).

Neotype QMJ27717, designated by Ingram & Covacevich (1989).

Heteropus blackmanni
de Vis, 1884

= *Carlia vivax* (de Vis, 1884) after Ingram & Covacevich (1989).

Lectotype QMJ19985; paralectotypes QMJ7773?, QMJ19968-84, QMJ19986-90
Lectotype designated by Ingram & Covacevich (1989). In their discussion of the status of material associated with the type specimen history of *Carlia vivax*, they refer to QMJ19986-90 twice. The second reference is erroneous , as QMJ19986-99. See Covacevich (1971) for detail of doubtful type status of QMJ7773.

Heteropus lateralis
de Vis, 1884
= *Carlia pectoralis pectoralis* (de Vis, 1884) after Ingram & Covacevich (1989).

Lectotype QMJ234, designated by Ingram & Covacevich (1989).

Heteropus mundus
de Vis, 1884
= *Carlia munda* after Ingram & Covacevich (1989).

Neotype QMJ15654, designated by Ingram & Covacevich (1989).

Lygisaurus foliorum
de Vis, 1884

Neotype QMJ23660, designated by Ingram & Covacevich (1988).

Menetia timlowi
Ingram, 1977

Paratype QMJ24448. This specimen is also the holotype of *Menetia sadlieri* Greer, 1991.

Mocoa delicata
de Vis, 1888
= *Lampropholis delicata* after Mather (1990).

Neotype QMJ45765, designated by Mather (1990).

Mocoa spectabilis
de Vis, 1888
= *Saproscincus spectabilis* after Wells & Wellington (1985).

The type status history of specimens of this taxon is complicated. Covacevich (1971) treated QMJ244, QMJ255, QMJ19742-3 as syntypes, while noting that measurements of QMJ244 fitted those in the type description. Wells & Wellington (1985) designated QMJ19742 as the lectotype. Specimens QMJ244, QMJ255 and QMJ19743 thus became paralectotypes. Sadlier et al. (1993) recognised the work of Wells & Wellington (1985), and recommended nomenclatural changes based on it. Ingram (1994), asserted Covacevich's (1971) recognition of four syntypes was erroneous and that the type description (de Vis, 1888) was based on one specimenonly, the holotype, QMJ244. His action thus overturned the nomenclatural change recommended by Sadlier et al. (1993).

Myophila vivax
de Vis, 1884
= *Carlia vivax* after Ingram & Covacevich (1989).

Neotypc QMJ24176, designated by Ingram & Covacevich , 1989.

Rhodona allanae
Longman, 1937
= *Lerista allanae* after Greer (1976).

The holotype of this species, '... Described from three specimens ...', was designated (QMJ6180) by its author (Longman, 1937). However, registration numbers for the two paratypes were not listed. The question of which specimens are the paratypes has already been addressed twice, with different opinions.
Covacevich (1971) found three specimens in jars with a tag marked '*Rhodona allanae* Lgmn. Paratypes'. This tag has been checked, and is in Longman's handwriting (I. Filmer, pers. comm.). The three specimens are QMJ6040, QMJ6238 and QMJ6308. The last mentioned is incomplete, lacking head and some body. Assuming Longman would have mentioned a damaged specimen in his description if it were part of his type series, yet acknowledging the possibility that it may have been a type as the Longman handwritten tag suggested, she listed QMJ6040 and QMJ6238 as paratypes and QMJ6308 as a '? paratype', signifying 'possible type status'. Erroneously, she did not mention QMJ6179, stored separately from the former three specimens, but identified in the register 'paratype', also in Longman's handwriting.
Couper & Ingram (1992) commented on this decision '... there is no doubt about QMJ6040, both the dates of registration of QMJ6238 and QMJ6308 (28 June, 1937 and 30 November, 1937 respectively) are after the date of publication of Longman's paper (24 June, 1937) and thus unlikely to have been examined for the paper. Actually the second paratype must be QMJ6179, which was registered with the holotype and is noted as 'paratype' in the register.'
Data for these specimens from the register and from the tag found by Covacevich (1971), all in Longman's hand are:

Reg. number and Date	Labelled 'paratype'?		Locality/donor/other relevant data
	Jar	Register	
QMJ6040 15 Sept., 1936	yes	yes	Retro Station, Capella, Q;, Mrs P.C. Allan
QMJ6179 19 May, 1937	yes	-	Retro Station, Capella, Qld; Mrs P.C. Allan
QMJ6238 28 June, 1937	yes	-	Retro, Capella, Q; Mrs P.C. Allan; 'on exhibition'
QMJ6308 30 Nov., 1937	yes	-	Retro, Capella, Qld; Mrs P.C. Allan; '1/2 body only'

Dates of publication which appear on journals are not invariably their true dates of publication; many type specimens have been registered after their descriptions have been published, a situation easily possible where registration numbers are not published (as is the case here); and the registration date of QMJ6179 (19 May, 1937) is less than five weeks earlier than the date of publication which appears on the type description (24 June, 1937). As a five week turn around time between submission of manuscript and publication of a journal is extremely rapid by even present highly mechanised standards, it seems reasonable to suggest that this specimen must have been registered by Longman after his paper had gone to press. Further, the registration date of QMJ6238 is only four days after the alleged date of publication of the paper (28 June, 1937 vs 24 June, 1937).

Article 72 B vii of the International Code of Zoological Nomenclature (3 ed., 1985) states 'The mere citation of "Type" or equivalent expression, in a list of types, or in a catalogue in a museum, or on a label is not to be construed alone as evidence that a specimen is or is fixed as any of the kinds of types...'. (italics ours). Recommendation 72 B states 'External evidence admitted. - If an author, in establishing a nominal species - group taxon, does not explicitly state what specimens constitute the type series, evidence in addition to published evidence may be taken into account (e.g., labels by the original author and specimens known to have been in appropriate collections at the appropriate time).' ...

If dates of publication and registration are considered along with type designation by Longman either in the register or in a jar, three specimens are possible candidates for status as two paratypes. (Specimen QMJ6308 can be excluded from further consideration because of a late date of registration and as an incomplete specimen, despite its presence with the Longman paratype label). Of the three candidates for type status (QMJ6040, QMJ6179,QMJ6238),it seems reasonable to exclude QMJ6238 as a possible paratype because, according to the register it was 'on exhibition' (Longman's handwriting). This specimen, once removed from exhibition, could easily have been placed in the jar containing QMJ6040 and QMJ6179, the paratypes, along with Longman's original paratype label. We thus confirm the correction by Couper & Ingram (1992) of Covacevich's (1971) decision, but for reasons which differ from theirs.

Family ELAPIDAE

Denisonia rostralis
de Vis, 1911
= *Simoselaps warro* (de Vis, 1911) after Mack & Gunn (1953).

Holotype QMJ193. The holotype was not located by Covacevich (1971) and was listed 'presumed lost' by Cogger et. al. (1983) but has been discovered in the Queensland Museum collection.

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